

Preliminary data release date: March 2022

Final data release date: March 2023

**Table HC3.4 Appliances in U.S. homes, by number of household members, 2020**

|   | Number of housing units (million) |                             |           |           |           |                   |
|---|-----------------------------------|-----------------------------|-----------|-----------|-----------|-------------------|
|   | Total U.S. <sup>a</sup>           | Number of household members |           |           |           |                   |
|   |                                   | 1 member                    | 2 members | 3 members | 4 members | 5 or more members |
| <b>All homes</b>                                      | 123.53                            | 33.59                       | 45.31     | 18.27     | 15.56     | 10.81             |
| <b>Ranges (units with both an oven and a cooktop)</b> |                                   |                             |           |           |           |                   |
| Have a range  | 110.32                            | 31.10                       | 39.87     | 16.18     | 13.56     | 9.61              |
| 1   | 108.00                            | 30.86                       | 39.05     | 15.80     | 13.15     | 9.14              |
| 2 or more   | 2.32                              | 0.24                        | 0.82      | 0.38      | 0.41      | 0.47              |
| Does not have a range                                 | 13.21                             | 2.49                        | 5.44      | 2.09      | 2.00      | 1.20              |
| <b>Most-used range fuel</b>                           |                                   |                             |           |           |           |                   |
| Electricity   | 65.56                             | 20.02                       | 23.86     | 9.28      | 7.17      | 5.24              |
| Natural gas   | 34.68                             | 8.69                        | 12.27     | 5.39      | 4.92      | 3.41              |
| Propane   | 4.82                              | 1.18                        | 2.00      | 0.66      | 0.66      | 0.33              |
| Dual-fuel   | 5.26                              | 1.20                        | 1.75      | 0.86      | 0.81      | 0.63              |
| Does not have a range                                 | 13.21                             | 2.49                        | 5.44      | 2.09      | 2.00      | 1.20              |
| <b>Most-used range usage: cooktop part</b>            |                                   |                             |           |           |           |                   |
| 0 times per week                                      | 7.04                              | 3.11                        | 1.95      | 0.86      | 0.55      | 0.57              |
| 1 to 3 times per week                                 | 15.12                             | 7.39                        | 4.54      | 1.45      | 1.06      | 0.67              |
| 4 to 7 times per week                                 | 49.49                             | 13.40                       | 18.05     | 7.83      | 6.18      | 4.03              |
| 8 to 14 times per week                                | 26.49                             | 5.47                        | 10.74     | 4.10      | 3.56      | 2.61              |
| 15 or more times per week                             | 12.18                             | 1.73                        | 4.59      | 1.94      | 2.20      | 1.72              |
| Does not have a range                                 | 13.21                             | 2.49                        | 5.44      | 2.09      | 2.00      | 1.20              |
| <b>Most-used range usage: oven part</b>               |                                   |                             |           |           |           |                   |
| 0 times per week                                      | 15.60                             | 7.36                        | 4.21      | 1.39      | 1.44      | 1.20              |
| 1 to 3 times per week                                 | 53.94                             | 16.68                       | 20.30     | 7.46      | 5.80      | 3.70              |
| 4 to 7 times per week                                 | 34.25                             | 6.09                        | 13.14     | 6.10      | 5.24      | 3.68              |
| 8 to 14 times per week                                | 5.43                              | 0.81                        | 1.88      | 1.02      | 0.85      | 0.87              |
| 15 or more times per week                             | 1.11                              | 0.16                        | 0.34      | 0.22      | 0.23      | 0.16              |
| Does not have a range                                 | 13.21                             | 2.49                        | 5.44      | 2.09      | 2.00      | 1.20              |
| <b>Separate cooktops</b>                              |                                   |                             |           |           |           |                   |
| Have a separate cooktop                               | 17.52                             | 3.39                        | 7.46      | 2.63      | 2.47      | 1.57              |
| 1   | 17.10                             | 3.34                        | 7.30      | 2.53      | 2.39      | 1.52              |
| 2 or more   | 0.42                              | Q                           | 0.16      | 0.09      | 0.08      | Q                 |
| Does not have a separate cooktop                      | 106.01                            | 30.20                       | 37.85     | 15.64     | 13.08     | 9.24              |
| <b>Most-used separate cooktop fuel</b>                |                                   |                             |           |           |           |                   |
| Electricity   | 8.81                              | 1.81                        | 3.94      | 1.26      | 1.14      | 0.67              |
| Natural gas   | 7.67                              | 1.35                        | 3.04      | 1.25      | 1.23      | 0.79              |
| Propane   | 1.04                              | 0.23                        | 0.48      | 0.13      | 0.10      | 0.11              |
| Does not have a separate cooktop                      | 106.01                            | 30.20                       | 37.85     | 15.64     | 13.08     | 9.24              |

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|   | Number of housing units (million) |                             |           |           |           |                   |
|---|-----------------------------------|-----------------------------|-----------|-----------|-----------|-------------------|
|   | Total U.S. <sup>a</sup>           | Number of household members |           |           |           |                   |
|   |                                   | 1 member                    | 2 members | 3 members | 4 members | 5 or more members |
| <b>All homes</b>                          | 123.53                            | 33.59                       | 45.31     | 18.27     | 15.56     | 10.81             |
| <b>Most-used separate cooktop usage</b>   |                                   |                             |           |           |           |                   |
| 0 times per week                          | 1.24                              | 0.35                        | 0.49      | 0.17      | 0.12      | 0.10              |
| 1 to 3 times per week                     | 1.94                              | 0.68                        | 0.71      | 0.30      | 0.16      | 0.10              |
| 4 to 7 times per week                     | 7.75                              | 1.48                        | 3.25      | 1.11      | 1.21      | 0.71              |
| 8 to 14 times per week                    | 4.34                              | 0.70                        | 2.02      | 0.70      | 0.51      | 0.42              |
| 15 or more times per week                 | 2.25                              | 0.19                        | 0.99      | 0.35      | 0.48      | 0.24              |
| Does not have a separate cooktop          | 106.01                            | 30.20                       | 37.85     | 15.64     | 13.08     | 9.24              |
| <b>Separate wall ovens</b>                |                                   |                             |           |           |           |                   |
| Have a separate wall oven                 | 19.40                             | 3.64                        | 8.08      | 2.95      | 2.97      | 1.77              |
| 1   | 14.74                             | 3.02                        | 6.27      | 2.10      | 2.07      | 1.29              |
| 2 or more                                 | 4.66                              | 0.62                        | 1.82      | 0.85      | 0.90      | 0.48              |
| Does not have a separate wall oven        | 104.13                            | 29.95                       | 37.23     | 15.32     | 12.59     | 9.04              |
| <b>Most-used separate wall oven fuel</b>  |                                   |                             |           |           |           |                   |
| Electricity                               | 16.42                             | 2.89                        | 7.13      | 2.43      | 2.52      | 1.45              |
| Natural gas                               | 2.84                              | 0.69                        | 0.91      | 0.49      | 0.44      | 0.31              |
| Propane                                   | 0.14                              | Q                           | Q         | Q         | Q         | Q                 |
| Does not have a separate wall oven        | 104.13                            | 29.95                       | 37.23     | 15.32     | 12.59     | 9.04              |
| <b>Most-used separate wall oven usage</b> |                                   |                             |           |           |           |                   |
| 0 times per week                          | 2.05                              | 0.67                        | 0.66      | 0.26      | 0.22      | 0.25              |
| 1 to 3 times per week                     | 8.50                              | 2.01                        | 3.55      | 1.10      | 1.27      | 0.56              |
| 4 to 7 times per week                     | 6.92                              | 0.81                        | 3.04      | 1.24      | 1.13      | 0.69              |
| 8 to 14 times per week                    | 1.59                              | 0.13                        | 0.71      | 0.28      | 0.27      | 0.20              |
| 15 or more times per week                 | 0.35                              | Q                           | 0.13      | Q         | 0.07      | Q                 |
| Does not have a separate wall oven        | 104.13                            | 29.95                       | 37.23     | 15.32     | 12.59     | 9.04              |
| <b>Frequency of hot meals cooked</b>      |                                   |                             |           |           |           |                   |
| No hot meals cooked                       | 0.92                              | 0.57                        | 0.16      | 0.08      | Q         | Q                 |
| Less than once a week                     | 2.47                              | 1.11                        | 0.60      | 0.27      | 0.21      | 0.27              |
| About once a week                         | 2.58                              | 1.29                        | 0.82      | 0.24      | 0.13      | 0.10              |
| A few times each week                     | 19.65                             | 8.22                        | 7.00      | 2.17      | 1.48      | 0.78              |
| Once a day                                | 30.23                             | 8.91                        | 12.62     | 4.18      | 2.74      | 1.77              |
| 2 times a day                             | 44.71                             | 9.97                        | 17.14     | 7.07      | 6.36      | 4.17              |
| 3 or more times a day                     | 22.98                             | 3.52                        | 6.97      | 4.26      | 4.56      | 3.66              |

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|  | Number of housing units (million) |                             |           |           |           |                   |
|--|-----------------------------------|-----------------------------|-----------|-----------|-----------|-------------------|
|  | Total U.S. <sup>a</sup>           | Number of household members |           |           |           |                   |
|  |                                   | 1 member                    | 2 members | 3 members | 4 members | 5 or more members |
| <b>All homes</b>   | 123.53                            | 33.59                       | 45.31     | 18.27     | 15.56     | 10.81             |
| <b>Microwave ovens</b>   |                                   |                             |           |           |           |                   |
| Have a microwave oven  | 118.65                            | 31.52                       | 43.84     | 17.76     | 15.06     | 10.48             |
| 1  | 113.18                            | 30.74                       | 41.84     | 16.82     | 14.13     | 9.64              |
| 2 or more  | 5.47                              | 0.78                        | 1.99      | 0.94      | 0.93      | 0.83              |
| Does not have a microwave oven   | 4.88                              | 2.07                        | 1.47      | 0.51      | 0.50      | 0.33              |
| <b>Microwave oven usage</b>  |                                   |                             |           |           |           |                   |
| 0 times per week   | 1.41                              | 0.65                        | 0.39      | 0.18      | 0.12      | 0.07              |
| 1 to 3 times per week  | 9.05                              | 4.01                        | 2.69      | 0.94      | 0.93      | 0.49              |
| 4 to 7 times per week  | 38.95                             | 11.96                       | 13.90     | 5.86      | 4.27      | 2.95              |
| 8 to 14 times per week   | 31.10                             | 8.27                        | 11.92     | 4.62      | 3.78      | 2.51              |
| 15 or more times per week  | 38.14                             | 6.63                        | 14.94     | 6.16      | 5.96      | 4.46              |
| Does not have a microwave oven   | 4.88                              | 2.07                        | 1.47      | 0.51      | 0.50      | 0.33              |
| <b>Outdoor grills and fuel</b>   |                                   |                             |           |           |           |                   |
| Use an outdoor grill   | 69.52                             | 10.71                       | 27.91     | 11.73     | 11.29     | 7.88              |
| Natural gas  | 4.71                              | 0.76                        | 2.06      | 0.70      | 0.73      | 0.46              |
| Propane  | 42.09                             | 5.77                        | 17.71     | 7.12      | 6.88      | 4.62              |
| Charcoal   | 22.72                             | 4.17                        | 8.15      | 3.92      | 3.67      | 2.81              |
| Does not use an outdoor grill  | 54.01                             | 22.88                       | 17.40     | 6.53      | 4.27      | 2.93              |
| <b>Small kitchen appliances used at least once each week (more than one may apply)</b> |                                   |                             |           |           |           |                   |
| Toaster  | 76.14                             | 17.30                       | 29.40     | 11.92     | 10.13     | 7.38              |
| Toaster oven   | 34.26                             | 8.25                        | 12.19     | 5.53      | 5.02      | 3.28              |
| Coffee maker   | 92.49                             | 22.08                       | 36.39     | 14.15     | 11.94     | 7.93              |
| Slow cooker  | 34.21                             | 6.29                        | 12.05     | 6.10      | 5.57      | 4.20              |
| Instant pot  | 19.86                             | 2.74                        | 6.70      | 3.71      | 3.92      | 2.79              |
| Rice cooker  | 16.55                             | 2.54                        | 5.23      | 3.38      | 3.12      | 2.27              |
| Blender or juicer  | 37.67                             | 6.90                        | 12.08     | 6.78      | 6.75      | 5.15              |
| Some other small kitchen appliance <sup>2</sup>  | 14.90                             | 3.29                        | 5.57      | 2.26      | 2.35      | 1.42              |
| <b>Refrigerators</b>   |                                   |                             |           |           |           |                   |
| Use a refrigerator   | 122.86                            | 33.23                       | 45.15     | 18.22     | 15.52     | 10.75             |
| 1  | 80.33                             | 27.92                       | 27.44     | 10.96     | 8.75      | 5.27              |
| 2 or more  | 42.53                             | 5.31                        | 17.71     | 7.26      | 6.77      | 5.47              |
| Does not use a refrigerator  | 0.66                              | 0.36                        | 0.16      | Q         | Q         | 0.06              |

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|  | Number of housing units (million) |                             |           |           |           |                   |
|--|-----------------------------------|-----------------------------|-----------|-----------|-----------|-------------------|
|  | Total U.S. <sup>a</sup>           | Number of household members |           |           |           |                   |
|  |                                   | 1 member                    | 2 members | 3 members | 4 members | 5 or more members |
| <b>All homes</b>   | 123.53                            | 33.59                       | 45.31     | 18.27     | 15.56     | 10.81             |
| <b>Most-used refrigerator size</b>                         |                                   |                             |           |           |           |                   |
| Half-size or compact                                       | 1.16                              | 0.51                        | 0.23      | 0.23      | 0.13      | 0.07              |
| Small (less than 17.6 cubic feet)                          | 6.06                              | 2.77                        | 1.74      | 0.62      | 0.53      | 0.41              |
| Medium (17.6 to 22.5 cubic feet)                           | 57.01                             | 18.57                       | 21.25     | 7.39      | 5.71      | 4.09              |
| Large (22.6 to 29.5 cubic feet)                            | 56.34                             | 11.12                       | 21.11     | 9.56      | 8.74      | 5.81              |
| Very large (more than 29.5 cubic feet)                     | 2.30                              | 0.26                        | 0.82      | 0.43      | 0.41      | 0.37              |
| Does not use a refrigerator                                | 0.66                              | 0.36                        | 0.16      | Q         | Q         | 0.06              |
| <b>Most-used refrigerator type</b>                         |                                   |                             |           |           |           |                   |
| Half-size or compact                                       | 1.16                              | 0.51                        | 0.23      | 0.23      | 0.13      | 0.07              |
| 1 door   | 11.66                             | 4.18                        | 3.67      | 1.63      | 1.18      | 1.01              |
| 2 doors, top freezer                                       | 42.06                             | 15.88                       | 14.07     | 5.49      | 3.93      | 2.69              |
| 2 doors, bottom freezer                                    | 26.49                             | 4.45                        | 10.78     | 4.29      | 4.17      | 2.80              |
| 2 doors, side-by-side                                      | 35.31                             | 7.42                        | 13.71     | 5.57      | 5.04      | 3.57              |
| 3 or more doors  | 6.18                              | 0.79                        | 2.69      | 1.01      | 1.08      | 0.61              |
| Does not use a refrigerator                                | 0.66                              | 0.36                        | 0.16      | Q         | Q         | 0.06              |
| <b>Most-used refrigerator age</b>                          |                                   |                             |           |           |           |                   |
| Less than 2 years old                                      | 18.69                             | 4.55                        | 6.48      | 3.04      | 2.59      | 2.03              |
| 2 to 4 years old   | 29.23                             | 7.12                        | 10.22     | 4.80      | 4.03      | 3.06              |
| 5 to 9 years old   | 39.83                             | 10.30                       | 14.68     | 5.93      | 5.22      | 3.69              |
| 10 to 14 years old   | 20.81                             | 6.36                        | 8.14      | 2.77      | 2.22      | 1.32              |
| 15 to 19 years old   | 8.82                              | 2.78                        | 3.51      | 1.09      | 0.99      | 0.45              |
| 20 or more years old                                       | 5.49                              | 2.13                        | 2.12      | 0.59      | 0.47      | 0.19              |
| Does not use a refrigerator                                | 0.66                              | 0.36                        | 0.16      | Q         | Q         | 0.06              |
| <b>Most-used refrigerator through-the-door ice service</b> |                                   |                             |           |           |           |                   |
| Yes  | 48.15                             | 8.12                        | 18.94     | 8.10      | 7.67      | 5.32              |
| No   | 74.72                             | 25.10                       | 26.21     | 10.12     | 7.86      | 5.43              |
| Does not use a refrigerator                                | 0.66                              | 0.36                        | 0.16      | Q         | Q         | 0.06              |
| <b>Second refrigerator</b>                                 |                                   |                             |           |           |           |                   |
| Use a second refrigerator                                  | 42.53                             | 5.31                        | 17.71     | 7.26      | 6.77      | 5.47              |
| Does not use a second refrigerator                         | 80.99                             | 28.27                       | 27.60     | 11.01     | 8.78      | 5.33              |
| <b>Second refrigerator size</b>                            |                                   |                             |           |           |           |                   |
| Half-size or compact                                       | 10.09                             | 1.51                        | 4.39      | 1.64      | 1.46      | 1.09              |
| Small (less than 17.6 cubic feet)                          | 7.17                              | 1.16                        | 3.16      | 0.92      | 1.07      | 0.86              |
| Medium (17.6 to 22.5 cubic feet)                           | 17.14                             | 1.90                        | 7.25      | 3.11      | 2.69      | 2.19              |
| Large (22.6 to 29.5 cubic feet)                            | 7.86                              | 0.75                        | 2.83      | 1.50      | 1.50      | 1.29              |
| Very large (more than 29.5 cubic feet)                     | 0.27                              | N                           | 0.08      | 0.09      | 0.06      | Q                 |
| Does not use a second refrigerator                         | 80.99                             | 28.27                       | 27.60     | 11.01     | 8.78      | 5.33              |

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Number of housing units (million)

|                                     | Number of household members |          |           |           |           |                   |
|-------------------------------------|-----------------------------|----------|-----------|-----------|-----------|-------------------|
|                                     | Total U.S. <sup>a</sup>     | 1 member | 2 members | 3 members | 4 members | 5 or more members |
| <b>All homes</b>                    | 123.53                      | 33.59    | 45.31     | 18.27     | 15.56     | 10.81             |
| <b>Second refrigerator type</b>     |                             |          |           |           |           |                   |
| Half-size or compact                | 10.09                       | 1.51     | 4.39      | 1.64      | 1.46      | 1.09              |
| 1 door                              | 7.51                        | 1.14     | 2.96      | 1.13      | 1.16      | 1.12              |
| 2 doors, top freezer                | 15.53                       | 1.75     | 6.63      | 2.85      | 2.40      | 1.90              |
| 2 doors, bottom freezer             | 2.08                        | 0.18     | 0.89      | 0.41      | 0.33      | 0.27              |
| 2 doors, side-by-side               | 7.00                        | 0.71     | 2.73      | 1.16      | 1.33      | 1.07              |
| 3 or more doors                     | 0.34                        | Q        | 0.13      | 0.07      | 0.10      | Q                 |
| Does not use a second refrigerator  | 80.99                       | 28.27    | 27.60     | 11.01     | 8.78      | 5.33              |
| <b>Second refrigerator age</b>      |                             |          |           |           |           |                   |
| Less than 2 years old               | 4.82                        | 0.46     | 1.78      | 0.77      | 1.07      | 0.75              |
| 2 to 4 years old                    | 6.27                        | 0.66     | 2.33      | 1.15      | 1.08      | 1.05              |
| 5 to 9 years old                    | 11.05                       | 1.22     | 4.54      | 1.94      | 1.84      | 1.51              |
| 10 to 14 years old                  | 10.68                       | 1.37     | 4.66      | 1.80      | 1.51      | 1.34              |
| 15 to 19 years old                  | 5.13                        | 0.82     | 2.10      | 0.94      | 0.75      | 0.52              |
| 20 or more years old                | 4.59                        | 0.79     | 2.30      | 0.66      | 0.53      | 0.31              |
| Does not use a second refrigerator  | 80.99                       | 28.27    | 27.60     | 11.01     | 8.78      | 5.33              |
| <b>Second refrigerator location</b> |                             |          |           |           |           |                   |
| Basement                            | 9.68                        | 1.18     | 4.17      | 1.72      | 1.53      | 1.08              |
| Garage                              | 16.25                       | 1.77     | 6.61      | 2.95      | 2.81      | 2.11              |
| Outside                             | 2.94                        | 0.41     | 1.16      | 0.42      | 0.42      | 0.54              |
| Main living area                    | 13.23                       | 1.90     | 5.60      | 2.09      | 1.95      | 1.68              |
| Some other location                 | 0.43                        | Q        | 0.17      | 0.08      | Q         | Q                 |
| Does not use a second refrigerator  | 80.99                       | 28.27    | 27.60     | 11.01     | 8.78      | 5.33              |
| <b>Wine chiller</b>                 |                             |          |           |           |           |                   |
| Yes                                 | 5.69                        | 0.79     | 2.48      | 0.98      | 0.94      | 0.50              |
| No                                  | 117.84                      | 32.79    | 42.83     | 17.29     | 14.61     | 10.31             |
| <b>Separate freezers</b>            |                             |          |           |           |           |                   |
| Use a separate freezer              | 41.14                       | 7.12     | 16.74     | 6.76      | 5.81      | 4.72              |
| 1                                   | 36.37                       | 6.47     | 14.58     | 6.02      | 5.16      | 4.13              |
| 2 or more                           | 4.78                        | 0.64     | 2.15      | 0.73      | 0.65      | 0.60              |
| Does not use a separate freezer     | 82.38                       | 26.47    | 28.58     | 11.51     | 9.74      | 6.08              |

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|--|-----------------------------------|-----------------------------|-----------|-----------|-----------|-------------------|
|  | Total U.S. <sup>a</sup>           | Number of household members |           |           |           |                   |
|  |                                   | 1 member                    | 2 members | 3 members | 4 members | 5 or more members |
| <b>All homes</b>                             | 123.53                            | 33.59                       | 45.31     | 18.27     | 15.56     | 10.81             |
| <b>Most-used separate freezer size</b>       |                                   |                             |           |           |           |                   |
| Half-size or compact                         | 4.47                              | 1.09                        | 1.78      | 0.63      | 0.54      | 0.42              |
| Small (less than 17.6 cubic feet)            | 12.27                             | 2.38                        | 4.86      | 1.82      | 1.78      | 1.43              |
| Medium (17.6 to 22.5 cubic feet)             | 15.80                             | 2.56                        | 6.58      | 2.65      | 2.26      | 1.76              |
| Large (22.6 to 29.5 cubic feet)              | 7.88                              | 1.02                        | 3.28      | 1.55      | 1.07      | 0.97              |
| Very large (more than 29.5 cubic feet)       | 0.72                              | 0.07                        | 0.24      | 0.10      | 0.17      | 0.14              |
| Does not use a separate freezer              | 82.38                             | 26.47                       | 28.58     | 11.51     | 9.74      | 6.08              |
| <b>Most-used separate freezer type</b>       |                                   |                             |           |           |           |                   |
| Upright                                      | 19.49                             | 3.38                        | 8.69      | 3.13      | 2.42      | 1.87              |
| Chest  | 21.65                             | 3.73                        | 8.04      | 3.63      | 3.39      | 2.86              |
| Does not use a separate freezer              | 82.38                             | 26.47                       | 28.58     | 11.51     | 9.74      | 6.08              |
| <b>Most-used separate freezer age</b>        |                                   |                             |           |           |           |                   |
| Less than 2 years old                        | 5.67                              | 0.81                        | 2.00      | 0.98      | 0.94      | 0.93              |
| 2 to 4 years old                             | 6.58                              | 1.01                        | 2.41      | 1.24      | 1.04      | 0.88              |
| 5 to 9 years old                             | 11.64                             | 1.88                        | 4.51      | 2.06      | 1.81      | 1.38              |
| 10 to 14 years old                           | 8.44                              | 1.62                        | 3.62      | 1.31      | 1.07      | 0.83              |
| 15 to 19 years old                           | 4.20                              | 0.75                        | 1.96      | 0.63      | 0.53      | 0.33              |
| 20 or more years old                         | 4.61                              | 1.04                        | 2.24      | 0.54      | 0.43      | 0.37              |
| Does not use a separate freezer              | 82.38                             | 26.47                       | 28.58     | 11.51     | 9.74      | 6.08              |
| <b>Most-used separate freezer defrosting</b> |                                   |                             |           |           |           |                   |
| Manual                                       | 21.90                             | 4.01                        | 8.84      | 3.37      | 3.20      | 2.47              |
| Automatic                                    | 19.25                             | 3.10                        | 7.90      | 3.39      | 2.61      | 2.25              |
| Does not use a separate freezer              | 82.38                             | 26.47                       | 28.58     | 11.51     | 9.74      | 6.08              |
| <b>Dishwashers and usage</b>                 |                                   |                             |           |           |           |                   |
| Have a dishwasher                            | 89.79                             | 21.03                       | 34.84     | 14.10     | 12.01     | 7.81              |
| Used 0 times per week                        | 17.11                             | 5.92                        | 5.21      | 2.43      | 1.82      | 1.73              |
| Used 1 time per week                         | 13.86                             | 5.97                        | 5.13      | 1.38      | 0.93      | 0.45              |
| Used 2 to 3 times per week                   | 26.32                             | 6.07                        | 12.43     | 3.99      | 2.61      | 1.22              |
| Used 4 to 6 times per week                   | 19.34                             | 2.39                        | 8.17      | 3.76      | 3.37      | 1.65              |
| Used 7 or more times per week                | 13.17                             | 0.69                        | 3.89      | 2.55      | 3.29      | 2.76              |
| Does not have a dishwasher                   | 33.74                             | 12.55                       | 10.47     | 4.17      | 3.55      | 3.00              |

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**Table HC3.4 Appliances in U.S. homes, by number of household members, 2020**

Number of housing units (million)

|   | Number of household members |          |           |           |           |                   |
|---|-----------------------------|----------|-----------|-----------|-----------|-------------------|
|   | Total U.S. <sup>a</sup>     | 1 member | 2 members | 3 members | 4 members | 5 or more members |
| <b>All homes</b>                                  | 123.53                      | 33.59    | 45.31     | 18.27     | 15.56     | 10.81             |
| <b>Dishwasher age</b>                             |                             |          |           |           |           |                   |
| Less than 2 years old                             | 13.86                       | 2.73     | 5.23      | 2.15      | 2.24      | 1.52              |
| 2 to 4 years old                                  | 21.09                       | 4.12     | 8.09      | 3.90      | 3.22      | 1.78              |
| 5 to 9 years old                                  | 28.29                       | 6.37     | 10.79     | 4.45      | 3.97      | 2.71              |
| 10 to 14 years old                                | 15.19                       | 4.29     | 6.12      | 2.05      | 1.56      | 1.17              |
| 15 to 19 years old                                | 6.51                        | 1.85     | 2.69      | 1.01      | 0.60      | 0.36              |
| 20 or more years old                              | 4.84                        | 1.67     | 1.93      | 0.55      | 0.43      | 0.27              |
| Does not have a dishwasher                        | 33.74                       | 12.55    | 10.47     | 4.17      | 3.55      | 3.00              |
| <b>Most-used dishwasher cycle type</b>            |                             |          |           |           |           |                   |
| Normal or default cycle <i>without</i> heated dry | 13.22                       | 2.93     | 5.45      | 2.02      | 1.73      | 1.11              |
| Normal or default cycle <i>with</i> heated dry    | 46.03                       | 9.40     | 18.85     | 7.37      | 6.58      | 3.84              |
| Heavy or <i>pots and pans</i> cycle               | 5.49                        | 1.15     | 1.97      | 1.02      | 0.77      | 0.59              |
| Light or delicate cycle                           | 1.23                        | 0.41     | 0.47      | 0.16      | 0.11      | 0.08              |
| Energy saver                                      | 4.85                        | 0.93     | 2.08      | 0.75      | 0.73      | 0.36              |
| Quick cycle                                       | 1.85                        | 0.29     | 0.81      | 0.35      | 0.28      | 0.11              |
| Does not have or use a dishwasher                 | 50.85                       | 18.48    | 15.68     | 6.60      | 5.37      | 4.73              |
| <b>Clothes washers</b>                            |                             |          |           |           |           |                   |
| Have a clothes washer at home                     | 103.96                      | 24.14    | 39.96     | 16.20     | 13.99     | 9.67              |
| Top-loading                                       | 74.82                       | 19.07    | 28.58     | 11.05     | 9.41      | 6.70              |
| Front-loading                                     | 29.14                       | 5.08     | 11.38     | 5.14      | 4.57      | 2.97              |
| Does not have a clothes washer at home            | 19.57                       | 9.44     | 5.35      | 2.07      | 1.57      | 1.14              |
| <b>Clothes washer age</b>                         |                             |          |           |           |           |                   |
| Less than 2 years old                             | 17.32                       | 3.47     | 6.48      | 2.76      | 2.44      | 2.16              |
| 2 to 4 years old                                  | 26.15                       | 5.11     | 9.52      | 4.38      | 4.17      | 2.97              |
| 5 to 9 years old                                  | 34.70                       | 7.82     | 13.69     | 5.52      | 4.82      | 2.85              |
| 10 to 14 years old                                | 16.15                       | 4.33     | 6.43      | 2.40      | 1.73      | 1.26              |
| 15 to 19 years old                                | 5.80                        | 1.90     | 2.37      | 0.70      | 0.58      | 0.25              |
| 20 or more years old                              | 3.83                        | 1.50     | 1.47      | 0.43      | 0.25      | 0.19              |
| Does not have a clothes washer at home            | 19.57                       | 9.44     | 5.35      | 2.07      | 1.57      | 1.14              |
| <b>Clothes washer usage</b>                       |                             |          |           |           |           |                   |
| 0 loads per week                                  | 1.19                        | 0.64     | 0.28      | Q         | Q         | 0.11              |
| 1 to 4 loads per week                             | 70.32                       | 21.04    | 29.36     | 9.56      | 6.62      | 3.75              |
| 5 to 9 loads per week                             | 25.67                       | 2.22     | 8.71      | 5.25      | 5.55      | 3.94              |
| 10 to 15 loads per week                           | 5.90                        | 0.23     | 1.47      | 1.15      | 1.50      | 1.56              |
| More than 15 loads per week                       | 0.88                        | Q        | 0.15      | 0.15      | 0.24      | 0.32              |
| Does not have a clothes washer at home            | 19.57                       | 9.44     | 5.35      | 2.07      | 1.57      | 1.14              |

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**Table HC3.4 Appliances in U.S. homes, by number of household members, 2020**

|   | Number of housing units (million) |                             |           |           |           |                   |
|---|-----------------------------------|-----------------------------|-----------|-----------|-----------|-------------------|
|   | Total U.S. <sup>a</sup>           | Number of household members |           |           |           |                   |
|   |                                   | 1 member                    | 2 members | 3 members | 4 members | 5 or more members |
| <b>All homes</b>  | 123.53                            | 33.59                       | 45.31     | 18.27     | 15.56     | 10.81             |
| <b>Usual water temperature setting for the wash cycle</b> |                                   |                             |           |           |           |                   |
| Hot   | 8.72                              | 2.19                        | 2.94      | 1.52      | 1.23      | 0.83              |
| Warm  | 53.11                             | 11.68                       | 21.57     | 8.00      | 6.84      | 5.02              |
| Cold  | 42.13                             | 10.27                       | 15.45     | 6.67      | 5.91      | 3.82              |
| Does not have or use a clothes washer at home             | 19.57                             | 9.44                        | 5.35      | 2.07      | 1.57      | 1.14              |
| <b>Clothes dryer and fuel</b>                             |                                   |                             |           |           |           |                   |
| Have a clothes dryer at home                              | 102.32                            | 23.81                       | 39.31     | 15.93     | 13.79     | 9.49              |
| Electricity   | 82.21                             | 20.15                       | 31.67     | 12.40     | 10.62     | 7.37              |
| Natural gas   | 18.89                             | 3.41                        | 7.04      | 3.36      | 3.05      | 2.03              |
| Propane   | 1.22                              | 0.25                        | 0.59      | 0.16      | 0.12      | 0.10              |
| Does not have a clothes dryer at home                     | 21.20                             | 9.77                        | 6.00      | 2.34      | 1.77      | 1.32              |
| <b>Clothes dryer age</b>                                  |                                   |                             |           |           |           |                   |
| Less than 2 years old                                     | 15.02                             | 3.22                        | 5.49      | 2.31      | 2.12      | 1.88              |
| 2 to 4 years old  | 23.44                             | 4.66                        | 8.31      | 4.06      | 3.91      | 2.50              |
| 5 to 9 years old  | 34.26                             | 7.51                        | 13.40     | 5.46      | 4.73      | 3.15              |
| 10 to 14 years old  | 17.68                             | 4.51                        | 7.15      | 2.72      | 1.96      | 1.34              |
| 15 to 19 years old  | 7.03                              | 2.22                        | 2.99      | 0.75      | 0.70      | 0.37              |
| 20 or more years old                                      | 4.89                              | 1.69                        | 1.97      | 0.62      | 0.36      | 0.25              |
| Does not have a clothes dryer at home                     | 21.20                             | 9.77                        | 6.00      | 2.34      | 1.77      | 1.32              |
| <b>Clothes dryer usage</b>                                |                                   |                             |           |           |           |                   |
| 0 loads per week  | 1.92                              | 1.12                        | 0.52      | 0.10      | 0.08      | 0.11              |
| 1 to 4 loads per week                                     | 67.48                             | 20.19                       | 28.26     | 9.11      | 6.36      | 3.57              |
| 5 to 9 loads per week                                     | 25.93                             | 2.23                        | 8.85      | 5.40      | 5.55      | 3.90              |
| 10 to 15 loads per week                                   | 6.06                              | 0.24                        | 1.55      | 1.16      | 1.53      | 1.57              |
| More than 15 loads per week                               | 0.93                              | Q                           | 0.13      | 0.16      | 0.27      | 0.34              |
| Does not have a clothes dryer at home                     | 21.20                             | 9.77                        | 6.00      | 2.34      | 1.77      | 1.32              |

Data source: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-457A of the *2020 Residential Energy Consumption Survey*

Notes: Because of rounding, data may not sum to totals. See RECS Terminology for definition of terms used in these tables.

<sup>a</sup> Total U.S. includes all primary occupied housing units in the 50 states and the District of Columbia. Vacant housing units, seasonal units, second homes, military houses, and group quarters are excluded.

<sup>b</sup> Some other small kitchen appliance includes food processors, air fryers, stand mixers, bread makers, waffle makers, electric can openers, sandwich makers, coffee grinders, and many other reported appliances.

Q = Data withheld because either the relative standard error (RSE) was greater than 50% or fewer than 10 households in reporting sample.

N = No households in reporting sample.



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**Relative standard errors (RSEs) for Table HC3.4. Appliances in U.S. homes, by number of household members, 2020**

**RSEs for number of housing units**

|   | Number of household members |          |           |           |           |                   |
|---|-----------------------------|----------|-----------|-----------|-----------|-------------------|
|   | Total U.S. <sup>a</sup>     | 1 member | 2 members | 3 members | 4 members | 5 or more members |
| <b>All homes</b>                                      | 0.00                        | 1.25     | 1.15      | 1.87      | 2.08      | 3.13              |
| <b>Ranges (units with both an oven and a cooktop)</b> |                             |          |           |           |           |                   |
| Have a range  | 0.30                        | 1.31     | 1.28      | 2.14      | 2.27      | 3.30              |
| 1   | 0.32                        | 1.33     | 1.30      | 2.13      | 2.23      | 3.18              |
| 2 or more   | 5.29                        | 18.52    | 9.49      | 12.86     | 13.95     | 12.27             |
| Does not have a range                                 | 2.54                        | 4.78     | 3.27      | 6.33      | 6.56      | 8.49              |
| <b>Most-used range fuel</b>                           |                             |          |           |           |           |                   |
| Electricity   | 0.70                        | 1.67     | 1.53      | 3.32      | 3.52      | 4.46              |
| Natural gas   | 1.15                        | 3.79     | 2.93      | 3.87      | 4.19      | 6.09              |
| Propane   | 3.78                        | 10.34    | 5.67      | 10.41     | 10.22     | 15.65             |
| Dual-fuel   | 3.47                        | 9.75     | 7.59      | 10.07     | 8.80      | 11.54             |
| Does not have a range                                 | 2.54                        | 4.78     | 3.27      | 6.33      | 6.56      | 8.49              |
| <b>Most-used range usage: cooktop part</b>            |                             |          |           |           |           |                   |
| 0 times per week                                      | 3.97                        | 5.08     | 7.70      | 11.77     | 13.41     | 13.65             |
| 1 to 3 times per week                                 | 2.43                        | 3.32     | 4.56      | 8.96      | 9.42      | 13.37             |
| 4 to 7 times per week                                 | 1.01                        | 2.41     | 2.00      | 2.95      | 3.21      | 5.26              |
| 8 to 14 times per week                                | 1.41                        | 3.29     | 2.89      | 4.72      | 4.70      | 5.23              |
| 15 or more times per week                             | 2.84                        | 7.64     | 4.58      | 7.27      | 5.85      | 7.98              |
| Does not have a range                                 | 2.54                        | 4.78     | 3.27      | 6.33      | 6.56      | 8.49              |
| <b>Most-used range usage: oven part</b>               |                             |          |           |           |           |                   |
| 0 times per week                                      | 2.41                        | 3.95     | 4.63      | 8.26      | 8.58      | 8.39              |
| 1 to 3 times per week                                 | 0.93                        | 2.23     | 1.99      | 2.87      | 3.72      | 4.61              |
| 4 to 7 times per week                                 | 1.23                        | 3.16     | 2.21      | 3.60      | 3.45      | 4.75              |
| 8 to 14 times per week                                | 4.39                        | 9.85     | 6.90      | 9.26      | 10.03     | 11.65             |
| 15 or more times per week                             | 8.88                        | 23.87    | 17.08     | 19.99     | 16.32     | 23.66             |
| Does not have a range                                 | 2.54                        | 4.78     | 3.27      | 6.33      | 6.56      | 8.49              |
| <b>Separate cooktops</b>                              |                             |          |           |           |           |                   |
| Have a separate cooktop                               | 1.98                        | 4.30     | 2.71      | 5.00      | 6.06      | 6.64              |
| 1   | 2.00                        | 4.34     | 2.89      | 5.21      | 5.96      | 6.89              |
| 2 or more   | 13.39                       | 35.80    | 19.89     | 26.73     | 34.65     | 39.23             |
| Does not have a separate cooktop                      | 0.33                        | 1.29     | 1.36      | 2.00      | 2.45      | 3.36              |
| <b>Most-used separate cooktop fuel</b>                |                             |          |           |           |           |                   |
| Electricity   | 3.04                        | 6.40     | 4.23      | 6.89      | 8.36      | 10.49             |
| Natural gas   | 2.93                        | 6.31     | 5.09      | 7.57      | 8.04      | 8.87              |
| Propane   | 7.96                        | 18.65    | 9.62      | 20.91     | 22.84     | 24.88             |
| Does not have a separate cooktop                      | 0.33                        | 1.29     | 1.36      | 2.00      | 2.45      | 3.36              |

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**Relative standard errors (RSEs) for Table HC3.4. Appliances in U.S. homes, by number of household members, 2020**

RSEs for number of housing units

|   | Number of household members |          |           |           |           |                   |
|---|-----------------------------|----------|-----------|-----------|-----------|-------------------|
|   | Total U.S. <sup>a</sup>     | 1 member | 2 members | 3 members | 4 members | 5 or more members |
| <b>All homes</b>                          | 0.00                        | 1.25     | 1.15      | 1.87      | 2.08      | 3.13              |
| <b>Most-used separate cooktop usage</b>   |                             |          |           |           |           |                   |
| 0 times per week                          | 8.05                        | 18.54    | 11.00     | 22.89     | 25.07     | 29.46             |
| 1 to 3 times per week                     | 5.70                        | 10.41    | 10.95     | 18.17     | 25.54     | 30.56             |
| 4 to 7 times per week                     | 3.84                        | 7.83     | 4.65      | 8.99      | 8.91      | 11.75             |
| 8 to 14 times per week                    | 3.73                        | 10.58    | 5.39      | 10.56     | 10.13     | 13.65             |
| 15 or more times per week                 | 5.16                        | 18.36    | 8.20      | 12.71     | 12.77     | 17.67             |
| Does not have a separate cooktop          | 0.33                        | 1.29     | 1.36      | 2.00      | 2.45      | 3.36              |
| <b>Separate wall ovens</b>                |                             |          |           |           |           |                   |
| Have a separate wall oven                 | 2.24                        | 4.17     | 2.97      | 5.63      | 5.56      | 7.67              |
| 1   | 2.46                        | 4.83     | 3.49      | 7.02      | 6.06      | 9.22              |
| 2 or more                                 | 5.70                        | 10.26    | 7.65      | 9.45      | 13.57     | 10.62             |
| Does not have a separate wall oven        | 0.42                        | 1.33     | 1.37      | 2.16      | 2.34      | 3.53              |
| <b>Most-used separate wall oven fuel</b>  |                             |          |           |           |           |                   |
| Electricity                               | 2.27                        | 4.38     | 3.04      | 5.68      | 5.80      | 7.86              |
| Natural gas                               | 4.96                        | 10.00    | 11.11     | 15.06     | 14.15     | 18.60             |
| Propane                                   | 24.84                       | 40.64    | 39.93     | 45.37     | 100.59    | 100.31            |
| Does not have a separate wall oven        | 0.42                        | 1.33     | 1.37      | 2.16      | 2.34      | 3.53              |
| <b>Most-used separate wall oven usage</b> |                             |          |           |           |           |                   |
| 0 times per week                          | 6.88                        | 11.50    | 12.76     | 23.65     | 20.05     | 21.13             |
| 1 to 3 times per week                     | 3.14                        | 6.28     | 4.98      | 8.82      | 8.14      | 11.37             |
| 4 to 7 times per week                     | 3.19                        | 9.14     | 4.65      | 7.08      | 8.99      | 11.27             |
| 8 to 14 times per week                    | 7.16                        | 21.76    | 10.51     | 18.49     | 14.38     | 17.16             |
| 15 or more times per week                 | 15.91                       | 72.50    | 21.60     | 40.32     | 35.71     | 36.51             |
| Does not have a separate wall oven        | 0.42                        | 1.33     | 1.37      | 2.16      | 2.34      | 3.53              |
| <b>Frequency of hot meals cooked</b>      |                             |          |           |           |           |                   |
| No hot meals cooked                       | 11.24                       | 15.11    | 21.43     | 36.13     | 49.39     | 51.33             |
| Less than once a week                     | 6.88                        | 9.25     | 12.85     | 22.69     | 22.92     | 20.15             |
| About once a week                         | 6.73                        | 8.95     | 10.99     | 19.57     | 23.53     | 26.92             |
| A few times each week                     | 1.68                        | 2.98     | 3.21      | 6.26      | 9.01      | 11.91             |
| Once a day                                | 1.47                        | 2.86     | 2.78      | 4.41      | 4.98      | 7.61              |
| 2 times a day                             | 1.18                        | 2.61     | 2.32      | 3.48      | 3.45      | 4.05              |
| 3 or more times a day                     | 1.94                        | 5.18     | 3.54      | 4.73      | 4.76      | 4.66              |

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**Relative standard errors (RSEs) for Table HC3.4. Appliances in U.S. homes, by number of household members, 2020**

**RSEs for number of housing units**

|  | Number of household members |          |           |           |           |                   |
|--|-----------------------------|----------|-----------|-----------|-----------|-------------------|
|  | Total U.S. <sup>a</sup>     | 1 member | 2 members | 3 members | 4 members | 5 or more members |
| <b>All homes</b>   | 0.00                        | 1.25     | 1.15      | 1.87      | 2.08      | 3.13              |
| <b>Microwave ovens</b>   |                             |          |           |           |           |                   |
| Have a microwave oven  | 0.20                        | 1.27     | 1.17      | 1.93      | 2.09      | 3.23              |
| 1  | 0.26                        | 1.27     | 1.22      | 2.04      | 2.28      | 3.25              |
| 2 or more  | 3.28                        | 10.22    | 6.93      | 9.82      | 8.10      | 10.88             |
| Does not have a microwave oven   | 4.85                        | 7.06     | 7.56      | 14.82     | 14.42     | 16.11             |
| <b>Microwave oven usage</b>  |                             |          |           |           |           |                   |
| 0 times per week   | 8.23                        | 11.81    | 18.81     | 23.08     | 26.74     | 33.92             |
| 1 to 3 times per week  | 3.27                        | 4.38     | 6.04      | 11.82     | 11.15     | 14.07             |
| 4 to 7 times per week  | 0.96                        | 2.18     | 2.17      | 3.32      | 4.58      | 5.93              |
| 8 to 14 times per week   | 1.53                        | 3.03     | 2.76      | 4.86      | 4.54      | 6.25              |
| 15 or more times per week  | 1.25                        | 3.39     | 2.17      | 3.46      | 3.73      | 4.69              |
| Does not have a microwave oven   | 4.85                        | 7.06     | 7.56      | 14.82     | 14.42     | 16.11             |
| <b>Outdoor grills and fuel</b>   |                             |          |           |           |           |                   |
| Use an outdoor grill   | 0.70                        | 2.90     | 1.65      | 2.26      | 2.64      | 3.32              |
| Natural gas  | 3.76                        | 9.62     | 6.50      | 10.89     | 10.11     | 10.93             |
| Propane  | 1.10                        | 4.03     | 2.06      | 3.01      | 3.12      | 3.98              |
| Charcoal   | 1.66                        | 4.80     | 2.96      | 4.52      | 5.94      | 5.89              |
| Does not use an outdoor grill  | 0.90                        | 1.54     | 2.14      | 3.39      | 5.37      | 6.22              |
| <b>Small kitchen appliances used at least once each week (more than one may apply)</b> |                             |          |           |           |           |                   |
| Toaster  | 0.64                        | 1.98     | 1.39      | 2.42      | 2.56      | 3.27              |
| Toaster oven   | 1.27                        | 3.27     | 2.37      | 3.73      | 3.62      | 6.07              |
| Coffee maker   | 0.49                        | 1.80     | 1.21      | 1.96      | 2.24      | 3.28              |
| Slow cooker  | 1.26                        | 4.00     | 2.08      | 3.83      | 3.04      | 4.90              |
| Instant pot  | 1.92                        | 5.13     | 3.43      | 4.99      | 4.69      | 5.87              |
| Rice cooker  | 1.85                        | 6.29     | 3.82      | 5.40      | 5.42      | 6.28              |
| Blender or juicer  | 1.29                        | 3.46     | 2.81      | 3.73      | 3.51      | 4.79              |
| Some other small kitchen appliance <sup>2</sup>  | 2.49                        | 6.17     | 3.92      | 5.62      | 5.94      | 8.22              |
| <b>Refrigerators</b>   |                             |          |           |           |           |                   |
| Use a refrigerator   | 0.06                        | 1.27     | 1.16      | 1.86      | 2.08      | 3.19              |
| 1  | 0.45                        | 1.44     | 1.52      | 2.40      | 3.05      | 4.53              |
| 2 or more  | 0.80                        | 3.28     | 2.04      | 2.69      | 2.95      | 4.21              |
| Does not use a refrigerator  | 11.04                       | 16.32    | 23.76     | 43.51     | 59.55     | 33.03             |

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**Relative standard errors (RSEs) for Table HC3.4. Appliances in U.S. homes, by number of household members, 2020**

**RSEs for number of housing units**

|  | Number of household members |          |           |           |           |                   |
|--|-----------------------------|----------|-----------|-----------|-----------|-------------------|
|  | Total U.S. <sup>a</sup>     | 1 member | 2 members | 3 members | 4 members | 5 or more members |
| <b>All homes</b>   | 0.00                        | 1.25     | 1.15      | 1.87      | 2.08      | 3.13              |
| <b>Most-used refrigerator size</b>                         |                             |          |           |           |           |                   |
| Half-size or compact                                       | 9.93                        | 17.84    | 20.01     | 24.50     | 34.77     | 33.36             |
| Small (less than 17.6 cubic feet)                          | 3.63                        | 6.31     | 7.16      | 13.82     | 12.70     | 18.15             |
| Medium (17.6 to 22.5 cubic feet)                           | 0.82                        | 1.77     | 1.94      | 3.21      | 3.64      | 4.62              |
| Large (22.6 to 29.5 cubic feet)                            | 0.87                        | 2.46     | 1.82      | 2.75      | 3.01      | 3.91              |
| Very large (more than 29.5 cubic feet)                     | 5.85                        | 21.26    | 9.40      | 13.74     | 13.79     | 16.31             |
| Does not use a refrigerator                                | 11.04                       | 16.32    | 23.76     | 43.51     | 59.55     | 33.03             |
| <b>Most-used refrigerator type</b>                         |                             |          |           |           |           |                   |
| Half-size or compact                                       | 9.93                        | 17.84    | 20.01     | 24.50     | 34.77     | 33.36             |
| 1 door   | 2.73                        | 4.70     | 5.35      | 6.55      | 8.28      | 11.85             |
| 2 doors, top freezer                                       | 1.01                        | 1.91     | 2.95      | 4.04      | 4.92      | 7.08              |
| 2 doors, bottom freezer                                    | 1.57                        | 4.46     | 2.31      | 4.22      | 3.24      | 6.10              |
| 2 doors, side-by-side                                      | 1.37                        | 3.00     | 2.71      | 3.50      | 4.33      | 5.12              |
| 3 or more doors  | 3.43                        | 8.40     | 5.10      | 9.72      | 7.68      | 10.87             |
| Does not use a refrigerator                                | 11.04                       | 16.32    | 23.76     | 43.51     | 59.55     | 33.03             |
| <b>Most-used refrigerator age</b>                          |                             |          |           |           |           |                   |
| Less than 2 years old                                      | 2.29                        | 4.77     | 3.53      | 4.57      | 5.84      | 7.10              |
| 2 to 4 years old   | 1.63                        | 3.43     | 2.71      | 4.16      | 3.88      | 5.68              |
| 5 to 9 years old   | 1.25                        | 3.33     | 2.40      | 4.08      | 3.21      | 4.77              |
| 10 to 14 years old   | 1.86                        | 4.12     | 2.82      | 5.18      | 6.94      | 7.83              |
| 15 to 19 years old   | 2.94                        | 6.22     | 5.50      | 8.56      | 9.69      | 14.86             |
| 20 or more years old                                       | 3.64                        | 6.63     | 6.20      | 14.03     | 11.91     | 20.13             |
| Does not use a refrigerator                                | 11.04                       | 16.32    | 23.76     | 43.51     | 59.55     | 33.03             |
| <b>Most-used refrigerator through-the-door ice service</b> |                             |          |           |           |           |                   |
| Yes  | 0.93                        | 2.97     | 2.05      | 2.65      | 3.18      | 3.67              |
| No   | 0.59                        | 1.52     | 1.69      | 2.90      | 3.27      | 4.32              |
| Does not use a refrigerator                                | 11.04                       | 16.32    | 23.76     | 43.51     | 59.55     | 33.03             |
| <b>Second refrigerator</b>                                 |                             |          |           |           |           |                   |
| Use a second refrigerator                                  | 0.80                        | 3.28     | 2.04      | 2.69      | 2.95      | 4.21              |
| Does not use a second refrigerator                         | 0.42                        | 1.43     | 1.49      | 2.43      | 3.04      | 4.46              |

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**Relative standard errors (RSEs) for Table HC3.4. Appliances in U.S. homes, by number of household members, 2020**

**RSEs for number of housing units**

|  | Number of household members |          |           |           |           |                   |
|--|-----------------------------|----------|-----------|-----------|-----------|-------------------|
|  | Total U.S. <sup>a</sup>     | 1 member | 2 members | 3 members | 4 members | 5 or more members |
| <b>All homes</b>                       | 0.00                        | 1.25     | 1.15      | 1.87      | 2.08      | 3.13              |
| <b>Second refrigerator size</b>        |                             |          |           |           |           |                   |
| Half-size or compact                   | 2.46                        | 6.67     | 4.20      | 7.30      | 7.75      | 8.56              |
| Small (less than 17.6 cubic feet)      | 3.09                        | 7.42     | 5.11      | 9.26      | 8.89      | 12.21             |
| Medium (17.6 to 22.5 cubic feet)       | 1.51                        | 6.21     | 3.45      | 4.57      | 4.90      | 6.29              |
| Large (22.6 to 29.5 cubic feet)        | 2.84                        | 9.45     | 4.54      | 6.37      | 6.14      | 8.04              |
| Very large (more than 29.5 cubic feet) | 19.90                       | 0.00     | 26.45     | 31.20     | 34.19     | 48.18             |
| Does not use a second refrigerator     | 0.42                        | 1.43     | 1.49      | 2.43      | 3.04      | 4.46              |
| <b>Second refrigerator type</b>        |                             |          |           |           |           |                   |
| Half-size or compact                   | 2.46                        | 6.67     | 4.20      | 7.30      | 7.75      | 8.56              |
| 1 door                                 | 3.11                        | 7.34     | 5.32      | 7.49      | 7.27      | 10.25             |
| 2 doors, top freezer                   | 1.73                        | 7.22     | 3.12      | 4.31      | 5.11      | 6.88              |
| 2 doors, bottom freezer                | 6.47                        | 21.86    | 8.23      | 11.69     | 13.55     | 16.71             |
| 2 doors, side-by-side                  | 3.05                        | 10.04    | 5.16      | 7.32      | 7.10      | 8.59              |
| 3 or more doors                        | 13.40                       | 82.00    | 21.32     | 30.22     | 27.45     | 52.96             |
| Does not use a second refrigerator     | 0.42                        | 1.43     | 1.49      | 2.43      | 3.04      | 4.46              |
| <b>Second refrigerator age</b>         |                             |          |           |           |           |                   |
| Less than 2 years old                  | 4.61                        | 12.55    | 7.84      | 7.86      | 9.88      | 11.05             |
| 2 to 4 years old                       | 3.38                        | 12.82    | 5.39      | 8.61      | 8.45      | 7.99              |
| 5 to 9 years old                       | 2.20                        | 7.32     | 4.30      | 6.02      | 5.94      | 7.74              |
| 10 to 14 years old                     | 2.97                        | 7.98     | 4.70      | 6.97      | 7.34      | 7.59              |
| 15 to 19 years old                     | 3.52                        | 8.74     | 4.80      | 8.94      | 10.65     | 13.78             |
| 20 or more years old                   | 3.68                        | 9.81     | 5.93      | 8.93      | 11.70     | 14.62             |
| Does not use a second refrigerator     | 0.42                        | 1.43     | 1.49      | 2.43      | 3.04      | 4.46              |
| <b>Second refrigerator location</b>    |                             |          |           |           |           |                   |
| Basement                               | 2.51                        | 7.02     | 4.56      | 6.17      | 7.28      | 6.73              |
| Garage                                 | 1.74                        | 4.47     | 3.35      | 4.61      | 4.78      | 6.18              |
| Outside                                | 4.81                        | 18.03    | 8.95      | 14.04     | 14.44     | 13.59             |
| Main living area                       | 2.34                        | 6.52     | 3.92      | 6.28      | 5.76      | 8.40              |
| Some other location                    | 12.09                       | 55.91    | 20.74     | 30.13     | 36.13     | 33.15             |
| Does not use a second refrigerator     | 0.42                        | 1.43     | 1.49      | 2.43      | 3.04      | 4.46              |
| <b>Wine chiller</b>                    |                             |          |           |           |           |                   |
| Yes                                    | 4.15                        | 9.86     | 5.84      | 9.00      | 9.70      | 11.54             |
| No                                     | 0.20                        | 1.28     | 1.26      | 1.99      | 2.02      | 3.24              |

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**Relative standard errors (RSEs) for Table HC3.4. Appliances in U.S. homes, by number of household members, 2020**

**RSEs for number of housing units**

|  | Number of household members |          |           |           |           |                   |
|--|-----------------------------|----------|-----------|-----------|-----------|-------------------|
|  | Total U.S. <sup>a</sup>     | 1 member | 2 members | 3 members | 4 members | 5 or more members |
| <b>All homes</b>                             | 0.00                        | 1.25     | 1.15      | 1.87      | 2.08      | 3.13              |
| <b>Separate freezers</b>                     |                             |          |           |           |           |                   |
| Use a separate freezer                       | 1.18                        | 3.52     | 1.90      | 3.45      | 3.93      | 4.06              |
| 1  | 1.30                        | 3.36     | 2.14      | 3.79      | 4.36      | 4.63              |
| 2 or more                                    | 4.21                        | 12.10    | 5.57      | 10.62     | 10.31     | 11.54             |
| Does not use a separate freezer              | 0.59                        | 1.54     | 1.53      | 2.75      | 2.35      | 4.60              |
| <b>Most-used separate freezer size</b>       |                             |          |           |           |           |                   |
| Half-size or compact                         | 3.80                        | 8.01     | 7.10      | 10.67     | 12.51     | 15.21             |
| Small (less than 17.6 cubic feet)            | 2.60                        | 5.94     | 3.51      | 7.68      | 7.74      | 6.86              |
| Medium (17.6 to 22.5 cubic feet)             | 2.05                        | 5.39     | 3.42      | 5.18      | 5.43      | 6.58              |
| Large (22.6 to 29.5 cubic feet)              | 2.94                        | 9.81     | 4.78      | 6.91      | 8.10      | 8.33              |
| Very large (more than 29.5 cubic feet)       | 8.77                        | 35.86    | 17.54     | 30.54     | 23.00     | 23.97             |
| Does not use a separate freezer              | 0.59                        | 1.54     | 1.53      | 2.75      | 2.35      | 4.60              |
| <b>Most-used separate freezer type</b>       |                             |          |           |           |           |                   |
| Upright                                      | 1.81                        | 4.77     | 2.67      | 4.91      | 5.16      | 5.03              |
| Chest  | 1.44                        | 4.28     | 2.78      | 4.48      | 5.26      | 5.20              |
| Does not use a separate freezer              | 0.59                        | 1.54     | 1.53      | 2.75      | 2.35      | 4.60              |
| <b>Most-used separate freezer age</b>        |                             |          |           |           |           |                   |
| Less than 2 years old                        | 4.13                        | 9.50     | 6.30      | 10.08     | 11.88     | 10.27             |
| 2 to 4 years old                             | 3.75                        | 9.38     | 6.37      | 8.46      | 10.22     | 8.00              |
| 5 to 9 years old                             | 2.58                        | 6.49     | 4.46      | 6.54      | 6.49      | 7.53              |
| 10 to 14 years old                           | 2.89                        | 7.37     | 4.47      | 7.70      | 7.72      | 13.41             |
| 15 to 19 years old                           | 3.88                        | 9.41     | 5.41      | 10.30     | 12.55     | 15.00             |
| 20 or more years old                         | 3.73                        | 8.23     | 5.35      | 11.49     | 15.38     | 15.36             |
| Does not use a separate freezer              | 0.59                        | 1.54     | 1.53      | 2.75      | 2.35      | 4.60              |
| <b>Most-used separate freezer defrosting</b> |                             |          |           |           |           |                   |
| Manual                                       | 1.66                        | 4.22     | 2.86      | 4.27      | 5.46      | 5.98              |
| Automatic                                    | 1.67                        | 5.40     | 2.93      | 5.51      | 5.21      | 4.68              |
| Does not use a separate freezer              | 0.59                        | 1.54     | 1.53      | 2.75      | 2.35      | 4.60              |
| <b>Dishwashers and usage</b>                 |                             |          |           |           |           |                   |
| Have a dishwasher                            | 0.42                        | 1.61     | 1.33      | 2.13      | 2.27      | 2.93              |
| Used 0 times per week                        | 1.79                        | 3.69     | 4.23      | 5.58      | 7.23      | 8.47              |
| Used 1 time per week                         | 2.42                        | 3.80     | 3.86      | 7.33      | 9.75      | 13.54             |
| Used 2 to 3 times per week                   | 1.52                        | 3.49     | 2.14      | 4.26      | 5.14      | 6.57              |
| Used 4 to 6 times per week                   | 1.87                        | 6.50     | 3.06      | 5.21      | 4.14      | 6.99              |
| Used 7 or more times per week                | 2.15                        | 9.97     | 4.57      | 5.92      | 4.31      | 4.46              |
| Does not have a dishwasher                   | 1.12                        | 2.60     | 3.13      | 5.12      | 5.33      | 6.57              |

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**Relative standard errors (RSEs) for Table HC3.4. Appliances in U.S. homes, by number of household members, 2020**

**RSEs for number of housing units**

|   | Number of household members |          |           |           |           |                   |
|---|-----------------------------|----------|-----------|-----------|-----------|-------------------|
|   | Total U.S. <sup>a</sup>     | 1 member | 2 members | 3 members | 4 members | 5 or more members |
| <b>All homes</b>                                  | 0.00                        | 1.25     | 1.15      | 1.87      | 2.08      | 3.13              |
| <b>Dishwasher age</b>                             |                             |          |           |           |           |                   |
| Less than 2 years old                             | 2.31                        | 5.81     | 4.20      | 6.45      | 5.44      | 6.48              |
| 2 to 4 years old                                  | 1.79                        | 4.52     | 2.77      | 3.97      | 5.03      | 6.19              |
| 5 to 9 years old                                  | 1.26                        | 3.31     | 2.19      | 4.54      | 4.72      | 6.11              |
| 10 to 14 years old                                | 2.04                        | 4.43     | 3.22      | 5.08      | 8.13      | 9.08              |
| 15 to 19 years old                                | 4.12                        | 6.41     | 5.47      | 10.01     | 12.08     | 17.40             |
| 20 or more years old                              | 4.28                        | 6.70     | 6.90      | 12.66     | 15.19     | 20.63             |
| Does not have a dishwasher                        | 1.12                        | 2.60     | 3.13      | 5.12      | 5.33      | 6.57              |
| <b>Most-used dishwasher cycle type</b>            |                             |          |           |           |           |                   |
| Normal or default cycle <i>without</i> heated dry | 2.61                        | 5.04     | 3.77      | 6.50      | 7.26      | 7.76              |
| Normal or default cycle <i>with</i> heated dry    | 0.98                        | 2.96     | 1.58      | 3.38      | 3.19      | 3.95              |
| Heavy or <i>pots and pans</i> cycle               | 3.54                        | 9.31     | 5.97      | 8.69      | 9.60      | 11.54             |
| Light or delicate cycle                           | 8.12                        | 18.24    | 12.19     | 22.30     | 25.10     | 29.69             |
| Energy saver                                      | 3.71                        | 8.56     | 6.41      | 10.42     | 9.64      | 12.05             |
| Quick cycle                                       | 6.24                        | 15.60    | 9.71      | 14.33     | 17.39     | 21.91             |
| Does not have or use a dishwasher                 | 0.91                        | 2.19     | 2.38      | 3.67      | 3.70      | 5.16              |
| <b>Clothes washers</b>                            |                             |          |           |           |           |                   |
| Have a clothes washer at home                     | 0.30                        | 1.59     | 1.14      | 1.95      | 2.16      | 3.13              |
| Top-loading                                       | 0.58                        | 1.78     | 1.52      | 2.47      | 2.82      | 3.89              |
| Front-loading                                     | 1.53                        | 4.18     | 2.51      | 4.19      | 3.91      | 4.91              |
| Does not have a clothes washer at home            | 1.57                        | 2.48     | 4.37      | 6.98      | 8.56      | 10.51             |
| <b>Clothes washer age</b>                         |                             |          |           |           |           |                   |
| Less than 2 years old                             | 1.94                        | 4.44     | 3.19      | 5.57      | 5.43      | 5.74              |
| 2 to 4 years old                                  | 1.50                        | 3.64     | 2.67      | 3.78      | 4.26      | 5.29              |
| 5 to 9 years old                                  | 1.29                        | 3.03     | 2.90      | 4.05      | 4.05      | 6.15              |
| 10 to 14 years old                                | 1.95                        | 4.07     | 3.18      | 5.32      | 6.48      | 8.62              |
| 15 to 19 years old                                | 3.61                        | 6.62     | 5.92      | 11.07     | 12.53     | 17.18             |
| 20 or more years old                              | 4.62                        | 6.99     | 7.52      | 14.23     | 18.42     | 18.49             |
| Does not have a clothes washer at home            | 1.57                        | 2.48     | 4.37      | 6.98      | 8.56      | 10.51             |

Preliminary data release date: March 2022

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**Relative standard errors (RSEs) for Table HC3.4. Appliances in U.S. homes, by number of household members, 2020**

RSEs for number of housing units

|   | Number of household members |          |           |           |           |                   |
|---|-----------------------------|----------|-----------|-----------|-----------|-------------------|
|   | Total U.S. <sup>a</sup>     | 1 member | 2 members | 3 members | 4 members | 5 or more members |
| <b>All homes</b>  | 0.00                        | 1.25     | 1.15      | 1.87      | 2.08      | 3.13              |
| <b>Clothes washer usage</b>                               |                             |          |           |           |           |                   |
| 0 loads per week  | 7.56                        | 10.95    | 16.30     | 37.26     | 34.71     | 29.81             |
| 1 to 4 loads per week                                     | 0.66                        | 1.63     | 1.48      | 2.39      | 3.98      | 4.59              |
| 5 to 9 loads per week                                     | 1.38                        | 5.24     | 2.76      | 3.76      | 3.69      | 5.47              |
| 10 to 15 loads per week                                   | 2.91                        | 23.91    | 7.15      | 8.09      | 6.21      | 6.54              |
| More than 15 loads per week                               | 9.41                        | 58.71    | 24.52     | 21.68     | 18.78     | 15.89             |
| Does not have a clothes washer at home                    | 1.57                        | 2.48     | 4.37      | 6.98      | 8.56      | 10.51             |
| <b>Usual water temperature setting for the wash cycle</b> |                             |          |           |           |           |                   |
| Hot   | 3.44                        | 6.35     | 6.29      | 7.84      | 7.70      | 10.39             |
| Warm  | 0.93                        | 2.75     | 1.75      | 3.09      | 2.98      | 4.14              |
| Cold  | 1.11                        | 2.85     | 2.30      | 3.28      | 3.62      | 5.14              |
| Does not have or use a clothes washer at home             | 1.57                        | 2.48     | 4.37      | 6.98      | 8.56      | 10.51             |
| <b>Clothes dryer and fuel</b>                             |                             |          |           |           |           |                   |
| Have a clothes dryer at home                              | 0.30                        | 1.53     | 1.23      | 2.01      | 2.21      | 3.10              |
| Electricity   | 0.51                        | 1.74     | 1.33      | 2.44      | 2.69      | 3.50              |
| Natural gas   | 1.44                        | 4.31     | 2.93      | 5.33      | 5.43      | 7.25              |
| Propane   | 8.40                        | 19.37    | 11.79     | 20.62     | 22.36     | 30.47             |
| Does not have a clothes dryer at home                     | 1.47                        | 2.48     | 4.17      | 6.57      | 7.51      | 10.68             |
| <b>Clothes dryer age</b>                                  |                             |          |           |           |           |                   |
| Less than 2 years old                                     | 2.01                        | 5.13     | 3.60      | 6.60      | 6.57      | 5.66              |
| 2 to 4 years old  | 1.65                        | 3.99     | 3.11      | 3.88      | 4.81      | 5.76              |
| 5 to 9 years old  | 1.18                        | 2.89     | 2.52      | 4.00      | 3.68      | 5.43              |
| 10 to 14 years old  | 1.85                        | 4.05     | 2.96      | 5.23      | 7.13      | 8.63              |
| 15 to 19 years old  | 3.19                        | 6.70     | 5.05      | 10.15     | 11.34     | 15.99             |
| 20 or more years old                                      | 3.15                        | 6.91     | 6.18      | 13.07     | 14.86     | 16.69             |
| Does not have a clothes dryer at home                     | 1.47                        | 2.48     | 4.17      | 6.57      | 7.51      | 10.68             |
| <b>Clothes dryer usage</b>                                |                             |          |           |           |           |                   |
| 0 loads per week  | 6.35                        | 9.51     | 11.52     | 34.83     | 35.08     | 29.83             |
| 1 to 4 loads per week                                     | 0.72                        | 1.55     | 1.54      | 2.45      | 4.16      | 4.82              |
| 5 to 9 loads per week                                     | 1.58                        | 5.54     | 2.71      | 3.61      | 3.89      | 5.41              |
| 10 to 15 loads per week                                   | 2.92                        | 20.72    | 6.29      | 8.30      | 7.13      | 6.31              |
| More than 15 loads per week                               | 9.83                        | 42.67    | 28.33     | 20.05     | 17.41     | 15.72             |
| Does not have a clothes dryer at home                     | 1.47                        | 2.48     | 4.17      | 6.57      | 7.51      | 10.68             |



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**Relative standard errors (RSEs) for Table HC3.4. Appliances in U.S. homes, by number of household members, 2020**

**RSEs for number of housing units**

|                  | Number of household members |          |           |           |           |                   |
|------------------|-----------------------------|----------|-----------|-----------|-----------|-------------------|
|                  | Total U.S. <sup>a</sup>     | 1 member | 2 members | 3 members | 4 members | 5 or more members |
| <b>All homes</b> | 0.00                        | 1.25     | 1.15      | 1.87      | 2.08      | 3.13              |

Data source: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-457A of the *2020 Residential Energy Consumption Survey*

Notes: See RECS Terminology for definition of terms used in these tables.

<sup>a</sup> *Total U.S.* includes all primary occupied housing units in the 50 states and the District of Columbia. Vacant housing units, seasonal units, second homes, military houses, and group quarters are excluded.

<sup>b</sup> *Some other small kitchen appliance* includes food processors, air fryers, stand mixers, bread makers, waffle makers, electric can openers, sandwich makers, coffee grinders, and many other reported appliances.